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**Chemical Substances Designation
Volume 4: Designation Matrix**

**ICF, Inc.
Washington, DC**

Prepared for

**Environmental Protection Agency
Washington, DC**

Dec 81

**U.S. DEPARTMENT OF COMMERCE
National Technical Information Service**



TOXICS INTEGRATION POLICY SERIES

EPA 560/TIIS-82-006

CHEMICAL SUBSTANCES DESIGNATION

VOLUME 4:

DESIGNATION MATRIX

Project Officer:

Arnold M. Edelman

Prepared under Contract No: 68-01-6038 for the

Office of Toxics Integration
Office of Pesticides and Toxic Substances
Environmental Protection Agency
December 1981

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11. Abstract (Limit: 200 words)		<p>This volume, part of a four volume study, examines EPA and other Federal agencies statutory and regulatory criteria for the designation of chemical substances. Volume I, a comparative analysis of the statutory authorities described in Volumes II and III, focuses on statutory purposes and goals, integration directives, the risks to be regulated, and the factors considered for designating and regulating chemical substances. The designation of chemical substances for regulation, hazard classifications and testing requirements are compared in the last section of Volume I. Volumes II and III review statutory provisions and regulations relating to the EPA and other Federal agency designation of chemical substances. The reviews focus on the criteria used to designate chemicals for regulation (e.g. role of economic and technological factors). The reviews specify which chemical substances are designated for regulation and each volume describe and analyze the hazard classification systems established and corresponding test methods required by the regulations. Volume IV, the chemical designation matrix provides a listing of the substances designated by regulation under the statutes reviewed as they appear in the Code of Federal Regulations or the Federal Register (for proposed rules) as of January 1981.</p>		
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DISCLAIMER

The information included in this report include regulations or policies that were proposed or promulgated as of January 1, 1981 by the U.S. Environmental Protection Agency and other federal agencies. Because the regulations and policies described are subject to differing interpretations and their status may have changed since January 1, 1981, the reader is cautioned to view the materials in this light. In addition, this report is not intended to be a comprehensive up-to-date listing of all regulations or policies, but rather should be used to retrospectively understand how agencies designate chemical substances. The contents of this report were prepared under contract to EPA and, though reviewed by EPA and other agency staff, this review does not necessarily reflect the views and policies of the U.S. Environmental Protection Agency nor those of the other federal agencies whose authorities and regulations are reviewed.

Foreword

A major factor that contributes to integration of EPA as well as interagency activities on chemicals is understanding the purposes and major objectives that must be considered by each statute when designating chemicals for regulation. Because of the numerous statutes and regulations with differing purposes that designate hazardous materials, wastes or substances and toxic pollutants or substances, confusion often results.

The purpose of this four volume study is to lay out the key factors required by the statutes and their implementing regulations that must be considered when designating chemicals. The document serves as a ready reference to those faced with designing as well as complying with federal regulatory actions regarding chemicals.



Walter W. Kovalick, Jr.
Director
Integration Staff

Acknowledgements

Preparation of the chemical designation matrix was accomplished by a small number of dedicated individuals on the ICF Project Team. In particular, the initial design and plan for the matrix was developed by Aaron Goldberg and later refined and implemented by Leonard Lapkin. Use of the WANG system's capabilities to alphabetize and sort the many entries was, from the start, an important feature of the design process. Ms. Judy Lawson handled the production of the matrix including the entering of the lists and the operation and programming of the WANG system. Ms. Elizabeth Marshall prepared the accompanying text, assisted by Messrs. Goldberg and Lapkin. Paul Bailey, the ICF Project Manager, supervised all phases of this effort under the direction of Arnold M. Edelman, the EPA Project Officer.

GUIDE TO USING THE CHEMICAL DESIGNATION MATRIX

INTRODUCTION

All regulated chemicals are "designated." A "designated" chemical substance, in this case, means a substance which has been determined to be hazardous enough for regulation. However, the way that substances are designated and the definitions that are used in agency regulations not only differ between regulations, but are not always clear enough to identify all substances subject to regulation.

For example, mercury persulfate is regulated

as "mercury and compounds" (part of a group) under Section 307 of the Clean Water Act,

as "mercuric sulfate," (a synonym) by the Department of Transportation, and

as "mercury persulfate, mercury sulfate, and mercuric sulfate" (including all three synonyms) under Clean Water Act Section 311.

Agencies and individual programs within agencies have independently developed methods of designating chemicals, resulting in a complex array of names, definitions, and generic groups used in the Code of Federal Regulations (CFR) and published in the Federal Register. The chemical designation matrix simplifies all of the regulations by condensing sixteen separate lists, each with their own methods and definitions, into one alphabetical array. The matrix, therefore, shows which agencies designate which chemical substances, how these designations can differ and overlap, and where definitions are unclear or incomplete. The statutes and sources for all regulations are listed in Exhibit 1. Chemical substances are included in the matrix as they are listed in proposed and final regulations published through January 1, 1981.

It is important to remember that chemical substances that are regulated under more than one statute or section may not be regulated for the same reason, or in the same manner, volume, or concentration. Statutes are enacted to respond to different problems and control completely different exposures and media. A substance which is deemed hazardous at one concentration in one medium (e.g. consumer products) may not be deemed hazardous in another medium for which public exposure is lower (e.g. solid waste). The designation matrix, through its systems of symbols, can only show the user which chemicals are designated by which agencies. The matrix does not show the kind of

EXHIBIT I

SOURCES OF CHEMICAL SUBSTANCES a/

<u>ID in Matrix</u>	<u>Statute</u>	<u>Regulations</u>
<u>FwPCA</u>	Federal Water Pollution Control Act §307 Toxic Pollutant Effluent Standards §311 Designation of Hazardous Substances and Reportable Quantities	40 CFR 129 40 CFR 117.3 40 CFR 116.4
<u>CAA</u>	Clean Air Act §108 Criteria Pollutants §111 New Source Performance Standards §112 Hazardous Air Pollutants §202 Motor Vehicle Emissions §211 Fuels and Fuel Additives §231 Aircraft Emissions	40 CFR 50 40 CFR 60 40 CFR 61 40 CFR 85 40 CFR 80 40 CFR 87
<u>SDWA</u>	Safe Drinking Water Act §1412 Primary & Secondary Drinking Water Standards	40 CFR 141
<u>RCRA</u>	Resource Conservation and Recovery Act § 3001 Hazardous Wastes	40 CFR 261, Appendix VIII
<u>TSCA</u>	Toxic Substances Control Act §4 Testing Requirements §5 Premanufacture Notification §6 Limitations on Use	45 FR 48554 45 FR 28805 40 CFR 761 40 CFR 762 44 FR 60061
<u>FDA/FIFRA</u>	Food & Drug Administration/Federal Insecticide, Fungicide & Rodenticide Act (EPA) Pesticides with Established Tolerances	40 CFR 180
<u>FIFRA</u>	Federal Insecticide, Fungicide & Rodenticide Act (EPA)	40 CFR 162.30 40 CFR 162.11 40 CFR 170
<u>MPRSA</u>	Marine Protection Research & Sanctuaries Act (EPA)	40 CFR 227

EXHIBIT 1 (continued)

SOURCES OF CHEMICAL SUBSTANCES a/

<u>ID in Matrix</u>	<u>Statute</u>	<u>Regulations</u>
<u>CPSA</u>	Consumer Product Safety Act (CPSC)	16 CFR 1303.2 16 CFR 1304 16 CFR 1401 45 FR 39434
<u>PPPA</u>	Poison Prevention Packaging Act (CPSC)	16 CFR 1700.14
<u>FHSA</u>	Federal Hazardous Substances Act (CPSC)	16 CFR 1500.12-17
<u>OSHA</u>	Occupational Safety & Health Act (OSHA) §6b §6a	29 CFR 1910.1000 29 CFR 1900.1000
<u>HMTA</u>	Hazardous Materials Transportation Act (DOT)	49 CFR 172.101
<u>FDA</u>	Food and Drug Administration	21 CFR 510

a/ This exhibit contains general references showing where the substances are listed. However, the matrix contains all rules proposed or promulgated by the agencies, so there are many other Federal Register notices used to update and revise the CFR references.

regulation that is proposed or promulgated nor the volume, concentration, and exposure that is subject to regulation. For more information the reader should consult the sources listed in Exhibit 1 and the regulatory reviews compiled as part of this study.¹

SYMBOLS USED IN THE MATRIX

The matrix uses a system of symbols, summarized below, for chemical designations and cross-references to groups and synonyms. The appearance of any letter under a statute means the chemical substance is designated in some way. The use of the code X, Y, S, or Z facilitates the comparison of different designations under different regulations. For accuracy, however, each substance is listed exactly as it is written in the regulations at least once, with an X. Cross references to groups and synonyms were developed on the basis of interpretations by ICF.

KEY TO SYMBOLS USED IN DESIGNATION MATRIX

X -- Listed individually by that name in the Code of Federal Regulations or Federal Register.

Y -- Not listed by name, but included as part of a listed group.

Z -- Some, but not necessarily all, members of the group are included (either by name or by inclusion in a group).

S -- Not listed, but included under another name.

N.R. -- Entry is designated but not regulated.

? -- Undetermined.

No Symbol -- Substance is not listed, in a listed group, nor designated by a synonym.

An "X" appearing across from a matrix entry indicates that the chemical or group of chemicals is designated by that name in the regulation. "S" means that the chemical name is a synonym of the substances which is designated, shown by an "X". For example hydrogen cyanamide (or hydrocyanic acid--they are the same chemical) is designated as follows:

¹See ICF Incorporated Chemical Substances Designation, Vols. 2 & 3 (1981).

	RCRA	OSHA §6(a)	HMTA
hydrogen cyanide	S	X	S
hydrocyanic acid	X	S	X

Those statutes with "X"s indicate the regulation uses the corresponding name; the "S"s signify that the two chemicals are the same substance. The use of the "S" symbol, along with cross-references within the matrix, makes sure that the user can match-up substances regulated under different names and different statutes.

A "Y" designation indicates that the chemical is not named specifically in the regulation, but is included within a group that is specifically designated. The "Z" designation is necessary because while one list will include a generic group of chemicals, another list may include either some or all of that group. Therefore, under the statute listing the group an X is placed, but for regulations under other statutes listing some or all members of that group, a Z is placed. As an example, this exhibit shows a portion of the matrix:

	<u>FWPCA 311</u>	<u>FWPCA 307</u>	<u>RCRA</u>
trichlorophenol	X	Y/NR	
trichlorophenol (2,3,4-)	X	Y/NR	
trichlorophenol (2,3,5-)	X	Y/NR	
trichlorophenol (2,3,6-)	X	Y/NR	
trichlorophenol (2,4,5-)	X	Y/NR	X
trichlorophenol (2,4,6-)	X	Y/NR	X
trichlorophenol (3,4,5-)	X	Y/NR	
trichlorophenols	Z	X/NR	Z

In this example, under FWPCA Section 311, the isomers of trichlorophenol listed make up all possible structural isomers of trichlorophenol. Thus, "trichlorophenols" (a term not used by the Section 311 regulations) shows a "Z" under Section 311 where "Z" in this case means all members of the group are included. Under RCRA, however, only two isomers are listed. Therefore "Z" across from trichlorophenols in this case means only some members of the group are included under RCRA.

CHEMICAL NOMENCLATURE CONVENTIONS

Regulatory agencies employ several widely-used nomenclature systems for designating chemical substances. As well, there may be trade names (e.g. pesticides) or generic terms (e.g. bleach) that a substance is known by. The system of nomenclature (or combination of systems) used in designating chemicals depends on not only when the regulations were promulgated, since naming conventions have evolved over the years, but also to what group of people the regulations are targeted. DOT/HMTA regulations need to be understood by the transportation industry, which is accustomed to one set of

names; FIFRA regulations need to be used by producers and users, both of which employ different naming conventions. The most common naming systems are included within the matrix, since these are the ones agencies rely on, but no regulatory program uses one system exclusively.

THE USE OF GENERIC NAMES AND GROUPS OF CHEMICALS

Agencies often use either generic names or groups of chemicals in designating substances. Chemical groups have been defined by each agency for its own regulatory purposes. Among regulations, the groups do not often match-up exactly. The matrix lists the name of chemical groups exactly as in the regulations. However, the reader should not assume that X's in different columns, but the same row of the matrix, necessarily mean the chemical is regulated in the same way.* Chemicals within each group marked with an X are listed with a Y under the group name, and are also cross-referenced.

The groupings in the matrix are based on general chemical knowledge and any definitions that are supplied in the regulations. However, very often, elements and compounds that appear in many forms or for several uses are not clearly designated in the regulations.

A good example is provided in Exhibit 1 which outlines the designation of arsenic compounds in proposed or final regulations. Confusion arises from the designation of both groups and substances within that group. For example, HMTA designates both inorganic arsenicals and a number of arsenic compounds such as arsenic bromide, arsenic sulfide, and arsenic trioxide, as hazardous. All of the arsenic compounds that are listed would normally be considered inorganic arsenicals. If "inorganic arsenicals" is meant to include all inorganic arsenic compounds, why are some listed, and some not? If not, then what does inorganic arsenicals include?

Another problem arises when agencies provide special definitions for categories that do not clearly follow the category name.

For example, under OSHA Section 6b, "inorganic arsenic" includes "copper aceto-arsenate, and all inorganic compounds containing arsenic except arsine, measured as arsenic" (29 CFR 1910.1018(b)). Copper aceto-arsenate, in a strict sense, is not an inorganic chemical, because it contains organic carbon. Arsine, on the other hand, would normally be considered an inorganic arsenic compound. When comparing the OSHA designation with FWPCA Section 311,

* It is advisable to consult the appropriate source documents listed in Exhibit 1 and the regulatory reviews contained in ICF Incorporated's Chemical Substances Designation, Vols. 2 and 3.

EXHIBIT 2

DESIGNATION OF ARSENIC AND ARSENIC COMPOUNDS
IN THE REGULATIONS

<u>Statute</u>	<u>Designation</u>	
<u>FWPCA</u>		
§307	Arsenic and compounds	
§311	Inorganic arsenicals Calcium arsenate Calcium orthoarsenate Arsenic disulfide Red arsenic sulfide Arsenic pentoxyde	Arsenic acid anhydride Arsenic oxide Arsenic trichloride Arsenic chloride Arsenous chloride Butter of arsenic
<u>CAA</u>		
§112	Arsenic, Inorganic	
<u>SDWA</u>	Arsenic	
<u>RCRA</u>	Arsenic and compounds, n.o.s. Arsenic pentoxyde Arsenic acid Arsenic trioxide	
<u>FIFRA</u>	Inorganic arsenicals Calcium arsenate	
	Inorganic arsenicals Ammonium arsenite Arsenic Arsenic acid Arsenic pentoxyde Arsenic trioxide	Calcium arsenate Copper acetoarsenite Sodium arsenate Sodium arsenate Sodium pyroarsenate
<u>OSEA</u>		
§6a	Arsenic (organic) Inorganic arsenicals Calcium arsenate	
§6b	Arsenic, Inorganic	
<u>EPA</u>	Arsenic Inorganic arsenicals Arsenic bromide Arsenic caloride (arsenious) Arsenic disulfide Arsenic sulfide	Arsenic iodide Arsenic pentoxyde Arsenic sulfide and a chlorate, a mixture Arsenic trichloride Arsenic trioxide Arsenic trisulfide

which also covers inorganic arsenical compounds, it is improbable that the EPA's definition matches OSHA's.

Where regulations are unclear, general chemical knowledge provided the basis for categorizing and cross-referencing chemical groups in the matrix. See Exhibit 3 which is the matrix counterpart of Exhibit 2. It is important to remember that there may be agency policies--unrecognized in the matrix--that categorize chemicals differently, or deal with some substances of the category in a different manner. Enforcement priorities and policies would be an example. Similarly, operational definitions of chemical groups, not evident in published regulations, may be otherwise available directly from the agency program office involved. Therefore, the reader must use the matrix with caution because, like many regulations, it is not self-explanatory.

SUBSTANCES NOT LISTED IN MATRIX

The huge number of chemicals and cross-references involved in constructing the matrix generated certain limitations. Therefore, some columns do not include all substances regulated under that statute, but only those banned or subject to special restrictions. For instance, regulations promulgated under the FIFRA and FDCA include thousands of chemicals, such as pesticides and direct and indirect food additives. Because there are regulated individually, and because of the huge number of chemicals involved, time and space did not permit their inclusion. Another problem arose from MPRSA's designation of "organochalogen", with no further explanation. Since the term is broad, unclear, and could include up to half the matrix as members of the group and cross-references, this category was also not included. It is important to note, however, that organochalogenes are regulated under MPRSA.

EXHIBIT 3

DESIGNATION OF ARSENIC AND ARSENIC CONCOMITANTS
IN THE MATRIX

	FPCA #111	FPCA #107	CAA	BOMA	NCRA	TSCA	FDA/ EFRA	FIFRA	MPRA	CPRA	PEPA	OSHA	OSIA	MUTA	FDA
arsenic	Z	Z/HR	X	X	X	Z	X	X	X	X	X	X	Z	X	X
arsenic, inorganic (particulate)	Z	Y/NR	X/NR	X	X	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
ammonium arsenite	Y	Y/NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
arsenic acid	Y	Y/NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
arsenic pentoxide	X	Y/HR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
arsenic trioxide	Y	Y/HR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
calcium arsenate	X	Y/NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
calcium orthoarsenate	X	Y/NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
copper acetatoarsenite	P	?	?	?	?	?	?	?	?	?	?	?	?	?	?
inorganic arsenic	?	Y/HR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
inorganic arsenicals	X	X/HR	X	X	X	X	X	X	X	X	X	X	X	X	X
sodium arsenite	Y	Y/NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
sodium arsenite	X	Y/HR	X	X	X	X	X	X	X	X	X	X	X	X	X
sodium pyroarsenate	X	Y/HR	X	X	X	X	X	X	X	X	X	X	X	X	X
arsenic acid															
See arsenic, inorganic															
arsenic acid anhydride															
See arsenic pentoxide															
arsenic acid compounds															
arsenic acid compounds, non															
arsenic bromide															
arsenic chloride															
See arsenic trichloride															
arsenic chloride (aromatic)															
arsenic disulfide															
arsenic sulfide															
lead arsenic sulfide															
arsenic iodide															
arsenic oxide															
See arsenic pentoxide															
arsenic pentoxide															
arsenic acid anhydride															
arsenic oxide															

NOTE TO READER

Note that when trying to look up a chemical in the matrix, two changes were made in the way chemical names are written:

1. Numbers and prefixes that normally appear in parentheses before the name now follow the name of the compound in the matrix. Any time a chemical name is preceded in the regulations by a separate prefix including "ortho", "meta", "para", "iso", "tert", "sec", "is", "o", "m", "p", "f" the name is entered with the prefix in parenthesis following the name. This change makes the alphabetical list easier to read. Only prefixes that designate structural isomers (same chemical formula, but the molecules or groups are arranged differently) are changed in this way. Compounds with different chemical groups or formulas are listed alphabetically by the initial letter, even if it is a prefix. For example, dimethylamine and trimethylamine are listed alphabetically by "d" and "t", respectively. However, tert-amylacetate becomes amyl acetate (tert-), and is listed under "a", not "t".
2. All capital letters were made lower case, including element abbreviations and trade name initial capitals. Only chemicals which are known by only letters (e.g. DDT, TDE, etc.) remain in upper case.

| A

CHEMICAL SUBSTANCES DESIGNATION MATRIX

KEY TO SYMBOLS

- X -- Listed individually by name in the CFR.
- Y -- Not listed by name, but included as part of a listed group.
- Z -- Some but not necessarily all, members of the group are included (either by listing or by inclusion in a group).
- S -- Not listed, but included under another name.
- N.R. -- Entry is designated but not regulated.
- ? -- Undetermined.

18

CHEMICAL SUBSTANCES DESIGNATION MATRIX

KEY TO SYMBOLS

- X -- Listed individually by name in the CFR.
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 - Z -- Some, but not necessarily all, members of the group are included (either by listing or by inclusion in a group).
 - S -- No listed, but included under another name.
 - N.R. -- Entry is designated but not regulated.
 - ? -- Undetermined.
- No symbol -- substance is not listed, not listed as part of a group, and not listed under another name.

	RWPCA 311	RWPCA 307	CMA 101	BHVA 101	TECA 101	F1DA/ F1PA 101	CPHA 101	F1PA 101	OSHA 16a	OSHA 16b	OSHA 16a	OSHA 16b	FDA
<u>solid butyl phosphate</u> <u>See butyl phosphoric acid</u>									x				
<u>solid butyl phosphate</u>													
<u>acid, sludge</u> <u>See sludge acid</u>													
<u>acraldehyde</u> <u>See acrolein</u>													
<u>acridine</u> <u>See coal tar pitch volatiles</u>													
<u>acrolein</u>													
<u>acraldehyde</u>									x	x	x	x	
<u>acrylaldehyde</u>									x	x	x	x	
<u>acrylic aldehyde</u>									x	x	x	x	
<u>propenol(2-)</u>									x	x	x	x	
<u>acrolein, inhibitor</u>									x	x	x	x	
<u>acrylaldehyde</u> <u>See acrolein</u>									x	x	x	x	
<u>acrylamide</u>									x	x	x	x	
<u>acrylic acid</u>									x	x	x	x	
<u>acrylonitrile</u> <u>See acrolein</u>									x	x	x	x	
<u>cyanethylene</u>									x	x	x	x	
<u>fumigacin</u>									x	x	x	x	
<u>propenenitrile</u>									x	x	x	x	
<u>vinylon</u>									x	x	x	x	
<u>vinylycyanide</u>									x	x	x	x	
<u>actinolite</u> <u>See asbestos</u>									x	x	x	x	
<u>adipic acid</u> <u>hexanedioic acid</u>									x	x	x	x	

	RIFCA §311	RIFCA §307	CMA	SUNA	ICNA	TSCA	FD& FIFRA	FIFRA CPBA	PEPA	TRAA	OSHA §6b	OSHA §6a	HETA	PPA
allyl alcohol	x										x	x		
propen-1-ol(3-)	x										x	x		
propenol-3(1-)	x										x	x		
Vinyl carbino ¹	x										x	x		
allyl bromide											x	x		
allyl chloride	x										x	x		
chlorallylene	x										x	x		
chloro-propene(3-)	x										x	x		
chloro-propylene(3-)	x										x	x		
allyl chloroformate											x	x		
<u>See</u> allyl chloroformate											x	x		
allyl chloroformate	x										x	x		
allyl chlorocarbonate	x										x	x		
allyl homolog of cinerol ¹											x	x		
<u>See</u> allethrin ¹											x	x		
allyl trichlorosilane											x	x		
allylglycidyl ether											x	x		
AGE											x	x		
allylpropyl disulfide											x	x		
alum											x	x		
<u>See</u> aluminum sulfate											x	x		
aluminum											x	x		
aluminum allyl											x	x		
pyrophoric liquid, n.o.s.											x	x		
aluminum dross											x	x		
aluminum hydride											x	x		
aluminum nitrate											x	x		
aluminum phosphate											x	x		

amino-6-(1,1-dimethylbutyl)-
3-(methylthio) 1,2,4-triazin-5(4n)-one(4-)
Boc amitriptiline

amino-6-(1,1-dimethylbutyl)-
3-(methylthio) 1,2,4-triazin-5(4n)-one(4-)

amino-6-(1,1-dimethylbutyl)-
3-(methylthio) 1,2,4-triazin-5(4n)-one(4-)

amino-

amino diphenyl(4-)

amino(4-)-5-(p-acetamidophenoxy)-
1,4-1,2,4-triazole. hydrate
Boc amitriptiline

amino-1,1a,2,9,9a,9b-hexahydro-
6-(hydroxymethyl)-9a-methoxy-
5-methyl carbamate acid 1a(2',
3',4')pyrrolin(1,2-a)dihydro-
4,7-dione (ester)(6-)
Hitosyacin C

amino-6-(1,1-dimethylbutyl)-
3-(methylthio) 1,2,4-triazin-5(4n)-one(4-)
Boc amitriptiline

amino-biphenyl(4-)

amino-1,1-dimethyl-
butylamine
Boc monomethyl taurine

R/MR

	PPCA	PPCA	CAN	DMG	PPCA	TGA	FIRA	MRESA	CPBA	PPBA	PPBA	DMG	DMG	DMG	DMG
	311	307	307	307	311	311	311	311	311	311	311	311	311	311	311

ammonium copper sulfate

See copper sulfate, ammonium salt

ammonium of (ethylbenzene-
(dithiocarbamate) ring and
ethylbenzene dithiocarbamic
acid) bimolecular and tri-
molecular cyclic polydithio sul-
fides and disulfides

ammonium acetate
See also acid ammonium salt

ammonium amidosulfate
See ammonium sulfamate

ammonium amidoformate
See ammonium carbamate

ammonium arsenite

ammonium azide

ammonium borate

ammonium bisulfonate

ammonium hydrogen carbonate
acid ammonium carbonate

ammonium bichromate
See ammonium dichromate

ammonium bifluoride
acid ammonium fluoride

ammonium hydrogen fluoride

ammonium bifluoride and hydro-
fluoric acid mixture
See white acid

ammonium bisulfite

ammonium bromofluoride
See ammonium fluoroborate

	TMPCA 101	TMPCA 107	CAA	BIMA	FCBA	TACA	FIMV FIRMA	FIRMA FIRMA	CPBA	PPEA	FIMA	OGBP 6b	OGBP 6a	UMTA	FDA
amyl acetate(tart-)	x													x	
banana oil	x													x	
amyl acetate(n-)	x													x	
amyl acid phosphate	x													x	
amyl chloride	x													x	
amyl formate	x													x	
amyl mercaptan	x													x	
amyl nitrite	x													x	
amyl peroxy-2-methylhexanoate (tart-)	x													x	
amyl peroxynonadecanoate(tart-)	x													x	
amyl trichlorosilane	x													x	
amyletic ester														x	
<u>beta</u> amyl acetate(iso-)														x	
amylalne														x	
amylene, normal														x	
anhydrous ammonia														x	
anhydrous ammonia ammonia, anhydrous														x	
anhydrous hydrazine <u>See</u> hydrazine, anhydrous														x	
anhydrous hydrofluoric acid														x	
hydrogen fluoride														x	
nitroline														x	
nitrobenzene	x												x		
nitrophen	x												x		
nitro oil	x												x		
hyanol	x												x		
phenylalanine	x												x		

	MPCA 1011	FPCA 1007	CIA 1007	SIMA 1007	SCA 1007	TICA 1007	FIR 1007	FIR 1007	MPRA 1007	CPCA 1007	PPFA 1007	FIR 1007	OSRA 1007	OSRA 1007	NETRA 1007	NETRA 1007
arsenious sulfide <i>See arsenio trisulfido</i>													x	x		
arsenous chloride <i>See arsenio trichlorido</i>																
arsine													x	x		
asbestos													x	x		
autinolite													x	x		
asosite													x	x		
anthophyllite													x	x		
chrysotile													x	x		
crocidolite													x	x		
tremolite													x	x		
asuaridole (organic peroxide)													x	x		
aspirin													x	x		
asulam													x	x		
athrombin <i>See coagencylbenzyl-4-Hydroxyoxomatus and salts (3-a-hydroxy-)</i>													x	x		
aztreazine													x	x		
auramines													x	x		
azurotoic acid (salt of)													x	x		
azido guanidine picrate													x	x		
azido hydroxy tetratole <i>(mercury and silver salts)</i>													x	x		
azido-1,2-propylene glycol dinitrate (3-)													x	x		

	RUPCA	RUPCA	CAR	EDTA	ICPA	TSCA	FIRMA	EPRA	CPBA	FPPA	OSHA	OSHA	MUTA	FDA
	311	1107				FIRMA					6b	6a		
	X/NR													
benzenebenzoic acid														
benzenedicarboxylic acid(1,2-)														
<u>See</u> butyl phthalate(n-)														
benzodiol(1,3-)														
<u>See</u> benzodiol														
benzenethiol			X											
benzididazoleone			X											
benzidine			X											
beridine dyes				X										
<u>See</u> dyes				X										
benzine					X									
benzisothiazolin-3-one(1-2)														
benzisothiazolin-3-one-1,1-dioxide(1,2-)														
<u>See</u> succarin														
benzol(b)pyridine														
<u>See</u> quinoline														
benzo[<i>a</i>]anthracene						X								
benzo[<i>a</i>]anthracene						X								
benzo[<i>a</i>]anthracene							X							
benzo[<i>b</i>]fluoranthene								X						
benzo[<i>b</i>]fluoranthene								X						
benzoepin									X					
<u>See</u> endosulfan									X					
benzofluorene										X				

	FWPCA 101	FWPCA 107	CAA 107	BDDA 107	PCRA 107	TSCA 107	FIM/ FIRPA 107	FIRPA 107	PPPA 107	FIRPA 107	OIGIA 107	OIGIA 107	INRA 107	FIM 107
beryllium	X	Z/NR	X								X	Y		
beryllium and compounds	X	N/NR	X								G	X	Z	
beryllium and compounds, MOB	X	N/NR	X								V	V	Z	
beryllium chloride	X	V/NR	X								V	V	X	
beryllium fluoride	X	V/NR	X								V	V	X	
beryllium nitrate	X	V/NR	V								V	V	X	
BNF														
See butyl glyceryl ether(ⁿ -)														
BNC														
See benzene hexachloride														
bifenox							X							
biphenyl							X							
diphenyl							X							
biphenyl trictonide								X						
bipyridinium pesticide (compounds and preparations)								X						
bis(2-chloroethoxy)methane								X						
bis(2-chloroethyl)-2-naphthylamine(<u>n</u> , <u>n'</u>)								X						
bis(2-chloroethyl)ether								X						
bis(2-chloropropyl) ether								X						
bis(2-ethylhexyl)phthalate								X						
bis(chloroethoxy)methane								X/NR						
bis(chloromethyl)ether								X/NR						
bis(dichlorosopropyl)ether							X/NR							

	NPPCA	FUPCA	CAS	EDMA	ECRA	TGCA	FDAA	PIFRA	MPEN3A	CPBA	PERA	RHBA	OBIA	WVTA	FDA
	111	1107	111	1107	111	1107	111	1107	111	1107	111	1107	111	1107	111
butyl acetate(<i>n</i> -)															
butyl acid phosphate(<i>m</i> -)															
butyl alcohol				x											
butyl alcohol(see-)					x	x									
butyl alcohol(tert-)					x	x									
butyl alcohol(<i>n</i> -)				x											
butyl benzyl phthalate				x											
butyl bromide				x											
butyl cellosolve										x	x				
<i>See</i> butoxy ethanol(<i>2</i> -)										x	x				
butyl chloride										x	x				
butyl chromate(tert-)						x									
butyl crotyl peroxide(tert-)						x									
butyl cumene peroxide						x									
butyl ether							x								
butyl formate							x								
butyl glycidyl ether(<i>n</i> -)								x							
<i>See</i>								x							
butyl hydroperoxide(tert-)								x							
butyl isocyanate(<i>n</i> -)								x							
butyl lauroyl benzeno								x							
lydroperoxide(tert-)								x							
butyl mercaptan									x						
<i>See</i> butanethiol									x						
butyl peroxide(<i>d1</i> -tert-)										x	x				

	FWPCA 311	FWPCA 307	CAA 311	BHMA 311	RCNA 311	Teca 311	FDA/ FIRRA 311	FIRRA 311	MPAER 311	CPEA 311	FPEA 311	OCHA 311	UTRA 311	FIA
butyl peroxy-2-allylhexanoate(tert-)	X													
butyl peroxy-3,5,5-trimethylhexanoate(tert-)		X												
butyl peroxyhexanoate(tert-)			X											
butyl peroxy-3-phenoxyphthalide(tert-)			X											
butyl peroxyacetate(tert-)				X										
butyl peroxybenzoate(tert-)				X										
butyl peroxydiphenylbenzoate(tert-)				X										
butyl peroxydiphenylacetate(n-)					X									
butyl peroxydiethylacetate						X								
(tert-), 33 with tert-butyl peroxybenzoate, 334 and solvent							X							
butyl peroxydiethylacetate(tert-)							X							
butyl peroxyisobutyrate(tert-)								X						
butyl peroxyisobutynoate(tert-)								X						
See butyl peroxy-3,5,5-trimethylhexanoate(tert-)									X					
butyl peroxyisopropyl carbonate(tert-)									X					
butyl peroxymalate(tert-)										X				
butyl peroxyneodecanoate(tert-)										X				
butyl peroxyphthalato(tert-), technically pure											X			
butyl peroxyvalate,(tert-)											X			

	TPPCA	FNPPCA	CAA	EDMA	ECRA	TGCA	FDAA	FPPA	PPPA	OMPA	OGBA	MEVA	EDA
butyl phosphoric acid solid butyl phosphate												x	x
butyl phthalate(n-) benzenedicarboxylic acid(1,2-)	x										x	x	x
dibutyl ester	x										x	x	x
dibutyl phthalate	x										x	x	x
butyl trichlorosilane							x						
butyl-2-chlorophenyl methyl methyl phosphoramidate(4-tart-)			x										
butyl-4,4-di-(tart-butylper- oxy)valerate(n-)				x								x	
butyl-4,6-dinitrophenol(2-sec-) ENBP					x	x							
butyl-n-ethyl-1,6,6-trifluoro- 2,6-dinitro-p-tolidine(n-)						x	x						
butyl laurine septebutene(1-)			x	x							x	x	x
butyl laurine(1 sec-)				x							x	x	x
butyl laurine(sec-)				x							x	x	x
butyl laurine(tart-)				x							x	x	x
butylcyclobutyl peroxycarbonate bonate(di-(4-tart-))					x						x	x	x
butylperoxy phthalate (di-(tart-))						x					x	x	x
butylperoxy)-3,3,5-trimethyl cyclohexanol,1-d-(tart-)							x				x	x	x
butylperoxybutanal(2,2-di-1)								x			x	x	x
butylperoxy)cyclohexane(1,1-di-1)									x		x	x	x

	FUPCA	FUPCA	CAA	EDMA	ECRA	TECA	FIMA	FIFRA	MPRA	CRA	PPPA	FUSA	OSHA	ODHA	WFTA	FIA	6a	6b	FIVRA	FIVRA	
butyl peroxypropene (2,2-di-(tert-)	X																				
butyl peroxycyclohexyl pro- pane(2,2-di-(4,4-di-tert-)		X																			
butyl peroxylisopropyl)(1,3-di- (2-tart-) benzene		X																			
butyl peroxylisopropyl(1,3-di- (2-tart-) benzene and 1,4- di-(2-tart-) butyl peroxyl- isopropyl) benzene mixture			X																		
butylparonylisopropyl)(1,4-di- (2-tart-)				X																	
butyltoluene(p-tart-)					X																
butyrylates						X															
butyric acid						X															
butanone acid						X															
ethyl laetate acid						X															
butyric acid(tetra-)							X														
EZD dyes								X													
See barbiturine dyes									X												
C10H16O2 technical chlorinated camphor, 67.69 percent chlorine See toluophene										X											
calistilide											X										
chlorotocotolylic diol, 3,4-metheno- 2h-cyclobutan-1-olpentalen-2- one(1,1a,3,3a,4,5,5a,5b,6-de-) See heptane												X									
chlorodrylic acid													X								
catalina														X							

	RUPCA 111	FMPCA 107	CAA 107	EDMA	RCRA 107	TSCA 107	FD&C 107	IRRA 107	MPRA 107	TRRA 107	CPBA 107	PPFA 107	FUGA 107	OSHA 107	OSHA 107	MSHA 107	FDA 107
calcium dodecylbenzenesulfonate	X																
calcium hydrogen sulfite <u>Bee calcium bisulfite</u>																	
calcium hypochlorite				X													
calcium nitrate					X												
calcium oxide						X											
lime, unslaked							X										
quicklime								X									
calcium potassiumate									X								
calcium peroxide										X							
calcium phosphide											X						
calcium resinate												X					
calcium, metal													X				
camphachlor														X			
<u>Bee toxaphene</u>															X		
carphene																X	
camphor														X			
caprylyl peroxide solution															X		
captatol														X			
captan														X			
orthocid-406														X			
SR 406														X			
vandide-09														X			
carbamato pesticide (commercial products and preparations)														X			
carbaryl														X			
carvin														X			

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	RUPCA 111	RUPCA 1307	CAA 111	AMPA 111	ACRA 111	TCCA 111	FDA/ FIRG 111	FIRG 111	CPBA 111	PPBA 111	FIRG 16b	OAIa 111	OAIa 16a	FIRG 111
chlorinated phenol, nos			x											
chlorinated phenols (other than those listed elsewhere, includes trichlorophenol and chlorinated cresols)				x/nr										
chlorines			x									x	x	
chlorine azide				x										
chlorine dioxide					x	x								
chlorine trifluoride				x										
chloro-1,3-butadiene(2-)					x									
See chloroprene						x								
chloro-1-(2,4,5-trichlorophenoxy) vinyl diethyl phosphate(2-)						x								
chloro-1-(3,4-dichlorophenoxy) vinyl diethyl phosphate(2-)						x								
chloro-1-nitropropane(1-)							x							
chloro-2,3-epoxybutane(1-)								x						
chloro-2,3-epoxypropane(1-)									x					
chlorostethane(1-)										x				
chloropropylene oxide											x			
epichlorohydrin											x			
chloro-2-nitropropane(1-)										x				
chloro-6-(allylaminoo)- <i>o</i> -triazin-2-ylminoo)-2-methyl-1-propionitrile(2-(4-))											x			
chloro- <i>m</i> -cresol(p-)												x		
chloro- <i>n</i> , <i>n</i> -diethylacetamide(2-)											x			
chloro- <i>n</i> -isopropylacetanilide(2-)											x			

	RWPA	RWTA	CAA	SDMA	M DMA	TGCA	PPA	PPMA	CPBA	PPMA	OGMA	OMGA	HMFA	FMA
	111	107	111	107	111	107	111	107	111	107	111	107	111	107
chloroprene									x	y				
chloro-1,3-butadiene(2-)									x	x				
chloroprene(2-)									y	x				
chloroprene, inhibited									x	x				
chloropropene(3-)									x					
<u>See allyl chloride</u>														
chloropropionitrile(3-)									x					
chloropropionate														
chloroprylene oxide														
<u>See chloro-2,3-epoxypropane</u>														
chloropylene(3-)														
<u>See allyl chloride</u>														
chlorosulfamic acid									x					
chlorosulfonic acid									x	b				
<u>sulfuric chloroyletin</u>									x					
chlorosulfonic solid-sulfur									x					
trikolsa mixture														
chlorothalonsil									x					
chlorotoluene(alpha-)									x					
chloroxuronon									x					
chlorpritos									x					
dureban									x	b				
chromato acetate									x					
chromic acid									x	x				
chromic anhydride									x	b				
chromium trioxide									x	b				
chromato acid mixture									x	z				

	RMPCA 101	RMPCA 107	CAN 101	SDWA 101	RCRA 101	FDA/ PIRA 101	FIFRA 101	CPBA 101	PPPA 101	FUGA 101	OESIA 101	WTRA 101	WTA 101	WUA 101
cinnamene														
<u>See</u> styrene														
cinnamol														
<u>See</u> styrene														
CIPC														
citric acid diacmonium salt														
<u>See</u> ammonium citrate dibasic														
citrus red no. 2							X/NR							
co-ral														
<u>See</u> coumarphos														
cobaltous formate						X								
cobalt formate						X								
coal gas														
hydrocarbon gas, nonliquefied														
coal oil														
<u>See</u> kerosene														
coal tar														
coal tar distillate														
coal tar dye														
coal tar light oil														
coal tar naphtha														
coal tar oil														
coal tar pitch volatiles														
(benzene soluble fraction)														
coal tar pitch volatiles														
acridine														
anthracene														
BAP														
chrysene														
phenanthrene														
pyrene														
							X/NR							

	FMPCA 1111	FMPCA 1101	CAA 1101	BIMA 1101	MCRA 1101	TBCA 1101	FDA/ FIFRA 1101	FIFRA 1101	FPPA 1101	CPSA 1101	FIFRA 1101	OSHA 1101	OSHA 1101	WHTA 1101	FR 1101
coumaphos Co-Hal	X	X													
coumarin															
cray habitatide							X								
creosote								X							
creosote oil								X							
creosote, coal tar								V							
creasol								V							
creasol(m-)								V							
creasol(o-)								V							
creasol(p-) hydroxytoluene								V							
creasole									X						
crocidolite <u>See asbestos</u>									X						
crotonaldehyde									X						
butenylpropylene aldehydes(2-)										X					
crotonic acid										X					
crotonylene										X					
crude nitrogen fertilizer											X				
crude oil, petroleum											X				
crystallized verdigris <u>See cupric acetate</u>											X				
cuimene												X			
cuimene hydroperoxide												X			

	FMPCA 011	FMPCA 020	CAA 020	BIMA 020	RCRA 020	TSCA 020	EPA/ TSCA 020	HPCA 020	PEPA 020	EHSA 020	OSHA 020	MSHA 020	RIA 020
copper acetate	x										x		
copper acetate crystallized verdigris	x					x					x		
copper acetoacetate	x					x					x		
copper acetatoarsenite	x					x					x		
copper acetatoarsenite (same product)	x					x					x		
patina green	x					x					x		
cupric chloride	x					x					x		
copper chloride	x					x					x		
cupric cyanide						x					x		
copper cyanide						x					x		
cupric nitrate						x					x		
copper nitrate						x					x		
cupric oxalate						x					x		
copper oxalate						x					x		
cupric sulfate						x					x		
copper sulfate						x					x		
cupric sulfate, ammoniated diammoniated copper sulfate						x					x		
copper tartrate						x					x		
copper tartrate copper lactate						x					x		
cupriethylene-diamine solution											x		
cyanide			x								x		
cyanide salts (soluble)			x								x		
cyanides			x								x		
cyanides (soluble salts and complexes), NaS	x		x								x		

	FPCCA	FMPCA	CNA	SODA	RCRA	TSCA	FDA	FIRB	MPREA	CPSC	PPA	RUSA	OSHA	OSHA	MSHA	FDA
111	107	107														

DWHP

dead oil

decalinane

decachlorooctal[deca-1,3,4-metheno-2h cyclobutatodipentalone-2-one]

decahydronaphthalene
See decalin

decalin
decahydronaphthalene

decanoyl peroxide

decanon
See myton

denatured alcohol

DEC
See diethyl pyrocarbonate

DEG
See diethyl tetraphenol

deoxidiphane

dextrone
See diquat

DRP
See di-isopropylfluorophosphate

DIG
See diglycidyl ether
di(p-chlorobis(2-methyl cyclohexyl))tetrachloro-
hexane
See ketthane

di-(beta-nitroxyethyl) monoammonium nitrate

See also, Octy 1 political
affiliations

See dichlorobenzene

DR. J. S. SPEAR OF LUDWIGSBURG

di-n-butyl phthalate

di-n-sec. octyl phthalate

di-system

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Hydroxy-4-acetyl-1- α -pentanone (4-1)

diacetone alcohol peroxide

dilacetyl

dialfor

diaminoethane(1,2-)

A HISTORY OF

Poco ammonium citrato dibasta
diamagnetismo diretto-

	FUPCA	FUPCA	CNA	SDMA	RCRA	TSCA	FIRN	FIRN	FIRN	FIRN	CPBA	PPEA	PPBA	OSHA	OSHA	MSHA	MSHA	FIRN
difluoromethane	x																	
hexa-difluoro-1-chloro- ethanol(1,1-)	x																	
difluorophosphoric acid, anhydrous																		
diglycidyl ether (MW 200)		x																
diglycidyl ether DGE		x																
dihydro-2,2,4-trimethyliso- lindolin(1,2-) furanol H							x											
dihydroperoxy propane(2,2-)							x											
dihydropyran								x										
dihydroaspartole									x									
dihydroxy-2,4,5,7-tetra- nitroanthrone chloroacetic acid									x									
dihydroxy-alpha-[acetyl- amide]-methyl benzyl alcohol(3,4-) epinephrine										x								
dihydroxyacetone hydroquinone										x								
dihydroxybenzene(mata-) gas sensor											x							
dilobacetylene												x						
dissubtethyl ketone													x					
hexa-dimethyl heptamant(2,6-)														x				
dissubtethyl peroxide															x			

	TBPCA 111	TRPCA 1107	CAA 1107	SIMA 1107	RCUA 1107	TBCA 1107	FDA/ FIRUA 1107	PPFA 1107	CPFA 1107	PFBA 1107	OMFA 1107	UMFA 1107	FDA 1107
ethiolate							x						
ethion			x				x				x		
ethyl methylene			x				x				x		
nicolate			x				x				x		
phosphordithioate			x				x				x		
ethofumesate							x						
ethoprop						x	x	x					
ethoxy-3-trichloromethyl-1- 1,2,4-thiadiazole(5-)													
ethoxyethanol(2-)						x							
<u>See glycol monoethyl ether</u>													
ethoxyethyl lactate(2-)													
<u>See ethylene glycol monomethyl ether acetate</u>													
ethoxyquin													
ethyl p- <u>acetylphenyl thionopheno-</u> <u>tosephosphonate</u>						x							
<u>See EPN</u>													
ethyl 3,3-di-(tert-butylper- oxy)butrate						x							
ethyl 3- <u>acetyl-4-(methylthio)-</u> <u>phenyl 1-(1-methylethyl)1]</u> <u>phosphorimidate</u>						x							
ethyl 4,4-dichlorobenzoate						x							
ethyl acetate						x					x		
ethyl acrylate						x					x		
ethyl acrylate, inhibited						x					x		
ethyl alcohol						x					x		
ethanol						x					x		

	MPICA	MPICA	CIA	SINA	RCRA	TSCA	PDN	FIRMA	HPRBA	CPBA	FUSA	OSHA	MSRA	FLRA
ethylene oxide KII													X	X
ethylene trichloride <u>See</u> tetrachloroethene														
ethyl benzyl dithiocarbamate march <u>See</u> EDC														
ethylbenzothioethercarbamate <u>See</u> EBC														
ethylbenzotriazoles <u>See</u> dibenzotriazoles(1,2-)														
ethylbenzodiazepine tetraacetate acid BII'A cisita acid hevidone						X								
ethylbenzodimino-tetraacetato acid (allylbenzodimino-triethylbenzyltrifluoromethyl) tetraacetic acid						X								
ethylbeneddicarboxylic acid (trans 1,2-) <u>See</u> fumaric acid							X							
ethylbeneddicarboxylic acid (cis 1,2-) <u>See</u> maleic acid								X						
ethylbenoglycol diethyl ether <u>See</u> diethyl cellosolve									X					
ethylbenzidine acetylbenzidine azindine tetracycloufuran oxybutane(1,4-)										X				
ethyleneoxide											X			

PMPCA	FMPCA	CNA	SODA	PCRA	TSCA	FDA/	VTPA	MPSEA	CPRA	FPPA	FUSA	OSHA	6a	WHA	FDA
101	101					VTPA							6b		

fluosulfonic acid
See fluorosulfonic acid

foaming agents

folpet

formagene

See paraformaldehyde

formaldehyde

formalin

methanol

methylaldehyde

formaldehyde (u.f.) foam
Insulation
See urea

formalin

See formaldehyde

formate
See formic acid

formate hydrochloride

formic acid

methanol acid

fuel oil

fulminate of mercury

fulminating gold

fulminating mercury

fulminating platinum

fulminating silver

fulminic acid

	TMPCA 1311	TMPCA 1307	CAA	BUNA	NCRA	TCA	FDA/ FIPRA	MFRRA	CPSA	PPFA	VFRRA	OSHA	CRRA	6a	FDA
hydrobromic acid															x
hydrocarbon gas, liquified															
<u>See</u> liquified hydrocarbon gas															
hydrocarbon gas, nonliquefied															
<u>See</u> coal gas															
hydrocarbons	x														
hydrochloric acid			x												
hydrogen chloride			x												
sulfuric acid			x												
hydrochloric acid, anhydrous				x											
hydrogen chloride				x											
hydrocyanic acid					x										
<u>See</u> hydrogen cyanide					x										
hydrofluoric acid						x									
anhydrous hydrofluoric acid						x									
fluoride acid						x									
fluoboric acid						x									
hydrogen fluoride						x									
hydrofluorosulfuric acid mixture							x								
<u>See</u> fluoroboric acid							x								
fluoboric							x								
hydrofluorosilicic acid								x							
<u>See</u> fluorosilicic acid								x							
hydrogen									x						
hydrogen bromide									x						
hydrogen chloride										x					
<u>See</u> hydrochloric acid										x					
hydrogen cyanide											x				
hydrocyanic acid											x				

	RUPCA	TMPCA	CBA	SMA	TECA	RDA	TPRA	IPRA	CPRA	TPRA	OMA	OMA	MTA	PDA
	311	311	311	311	311	311	311	311	311	311	311	311	311	311

hydroxyl amine iodide

hydroxytetrasole (di-(1-)

hydroxytoluene
See cresol(0-)

hypochlorite
-

hyponitrous acid

ice carbon
See carbon dioxide

IGR

See isopropyl glycidyl ether

illuminating preparations
containing 10% petroleum
distillates

imidocarbonyl(4,4'-bist(N,N'-
diethyl)1,4-dilinole
See auramine

iminoisopropylamine

indeno(1,2,3-o,dipyrone

indolepyrones

indomethacin

See chlorobenzoyl)-5'-
Bithoxy-2-methylindole-3'-
acetic acid 1-(p-)

inorganic arsenic

See arsenic, inorganic

inorganic arsenicals
See arsenic, inorganic

inorganic bromides

	FIFRA 131	FIFRA 107	CRA 107	SIDMA	RCRA	TSCA	FIM/ FIFRA 131	FIFRA 107	MURSA	CPSA	PPFA	WIBA	OSHA 16b	OSHA 16a	MSHA 16b	MSHA 16a	FDA
Insitol hexanitrate													X				
Iodine trinitrate													X				
Iodide of Miltion ^a base																	
<u>See mercury iodide aquabasic ammoniate</u>																	
Iodine													X				
Iodine azide													X				
Iodine monochloride													X				
Iodine pentachloride													X				
Iodomethane													X				
methyl iodide													X				
Iodine compound													X				
Iridium nitratopentammine																	
Iridium nitrate																	
Iron													X				
Iron ammonium sulfate																	
<u>See ferric ammonium sulfate</u>																	
Iron arsenate													X				
<u>See ferric arsenate</u>													X				
Iron chlorate													X				
<u>See ferric chlorate</u>													X				
Iron dextrom													X				
Iron dichloride													X				
<u>See ferric chloride</u>													X				

	FIFCA	FIFPCA	CAA	EDMA	ICRA	FIM/	FIRMA	MPRA	CPRA	FPPA	FISA	OMIA	OMIA	FDA
Iron nitrate <u>See</u> ferric nitrate												X	X	
Iron oxide														
Iron protochloride <u>See</u> ferrous chloride														
Iron protosulfate <u>See</u> ferrous sulfate														
Iron sesquichloride														
Iron sulfate <u>See</u> ferrous sulfate														
Iron trichloride <u>See</u> iron chloride														
Iron vitriol <u>See</u> ferrous sulfate														
Iron-containing drugs														
Isononyl acetate														
Isononyl alcohol														
Isooctane or liquefied petroleum gas												X	X	
Isooctanol <u>See</u> isobutyl alcohol												X	B	
Isobutyl acetate												X	X	
Isobutyl alcohol Isobutanol												X	X	
Isobutylene												X	X	
Isobutylene or liquefied petroleum gas												X	X	

	MPCA 101	MPCA 107	CMA 107	DMA 107	MCHA 107	TSCA 107	FDA/ ViTRA 107	ViTRA 107	MPRA 107	MPRA 107	CPBA 107	PPBA 107	TMHA 107	OSIA 107	OSIA 107	UTA 107	UTA 107	FDA 107
isobutyric acid	x																	
isobutyric anhydride	x																	
isocyanic acid, methyl ester		x																
methyl isocyanate		x																
isodrin																		
<i>See</i> hexachloro-1,4,4a,5,6,6a-hexahydro-1,3;5,6-endo,endo-disubstitutednaphthalene[1,2,3,4,10,10-]																		
isononyl peroxide																		
isooctane																		
isooctene																		
isopenylane																		
isopentanediol																		
isophorone							x/nr											
isoprene								x										
<i>See</i> 1,3-butadiene(2-)								x										
isopropalin									x									
isopropenol										x								
<i>See</i> isopropyl alcohol										x								
isopropenolamine											x							
<i>See</i> isobenzensulfonate											x							
isopropyl acetate												x						
isopropyl acid phosphate													x					
isopropyl alcohol													x					
isopropanol													x					
isopropyl glycidyl ether													x					

	RWPCA §111	RWPCA §107	CAA §107	SINVA §107	RCRA §107	TSCA §107	FIFRA §107	METRA §107	CPBA §107	PPPA §107	FIFRA §107	OSHA §6a	WHMIS §6a	EPA
lead mononitroresorinate														
lead nitrate	x											y		
lead peroxide												x		
lead phosphate												x		
lead picrate												x		
lead stearate	x											x		
stearic acid lead salt	x											x		
lead styphnate												x		
lead trinitroresorinate												x		
lead subacetate												x		
lead sulfate	x											x		
lead sulfide	x											x		
galena	x											x		
lead sulfocyanate														
See lead thiocyanate														
lead tetraethyl														
See tetraethyl lead														
lead thiocyanate														
lead sulfocyanate														
lead trinitroresorinate														
See lead styphnate														
lead-waste metallic lead, all inorganic lead com- pounds, organic lead compo-												x		
leaded gasoline												x		
leather bleach or dressing												x		
leptophos												x		

	FPCA 111	FPCA 107	CRA 307	SUVA	RCPA	TSCA	FDA/ FIFRA	MERRA	CPBA	PFPA	OBRA	OBIA	OBIA 16a	OBIA 16a	OBIA 16a
mentetrahydrophthalic anhydride															
<u>See methyl norbornene dicarboxylic anhydride</u>															
menthol							x	x							
<u>See camphor</u>							x	x							
methane hydroperoxide(p-)							x	x							
paraenthane hydroperoxide							x	x							
mercaptan mixture, aliphatic							x	x							
mercaptobenzothiophole							x	x							
mercaptodimethyluracol							x	x							
mercaptonethane							x	x							
<u>See methyl mercaptan</u>							x	x							
mercaptonethyl Phthalimide							x	x							
o-(O,O-diethyl phosphoro-dithioate) and its oxygen analog(in-)							x	x							
mercuric acetate							x	x	x						
mercuric ammonium chloride							x	x	x						
mercuric benzoate							x	x	x						
mercuric bromide							x	x	x						
mercuric chloride							x	x	x						
mercuric cyanide							x	x	x						
mercuric cyanide							x	x	x						
mercuric iodide							x	x	x						
mercuric nitrate							x	x	x						
mercury nitrate							x	x	x						
mercury permanganate							x	x	x						

	MPICA 311	WPICA 307	CAR 307	SIMA 307	SCCA 307	FDA/ FIFRA 307	FIFRA 307	CPBA 307	PPFA 307	FISHA 307	OSHA 307	CHINA 307	UNPA 307	FDA 307
methazol acid														
methazole	x													
methidathiol			x	x										
methoxy 1				x	x									
methoprene					x									
methoxy-3,6-dichlorobenzoic acid(2-)						x								
methoxy-DDT <u>See methoxychlor</u>						x	x	x	x	x	x	x	x	x
methoxychlor			x	x	x	x								
DMDT						x	x	x	x	x	x	x	x	x
methoxy-DOT						x	x	x	x	x	x	x	x	x
trichloroethane						x								
2,2-bis[<i>p</i> -methoxyphenyl] 1										x				
methoxethane(2-) methyl cellulose								x	x	x	x	x	x	x
methy 1 (n-ethyl) ketone heptanone(2-)								x	x	x	x	x	x	x
methy 1,3-[1,3-dimethoxyphosphoryl]butanoate, alpha and beta isomers										x				
methyl acetate										x				
methyl acetylene propane										x	x	x	x	x
methyl acetylene-propadiene mixture										x	x	x	x	x
methy 1 acrylate										x	x	x	x	x

	MPCA	TMPCA	CAA	BIMA	BCRA	TSCA	FDA	FFRA	CPBA	PPFA	FFRA	OGIA	IRRA	FDA
	311	1107	1107									16D	6a	
methyl alcohol												x	x	
See methanol												x	x	
methyl alcohol							x					x	x	
methanol							x					x	x	
methyl amyl alcohol							x					x	x	
methyl isobutyl carbamate							x					x	x	
methyl amyl ketone							x					x	x	
methyl bromide							x					x	x	
ethylene dibromide mixture							x					x	x	
methyl bromide chloroplatinum mixture							x					x	x	
methyl butane							x					x	x	
hexamethyl-1-							x					x	x	
methyl butyl ketone							x					x	x	
methyl butyrate							x					x	x	
methyl cellosolve							x					x	x	
ethyl lacte glycol							x					x	x	
ethyl lacte glycol monomethyl ether							x					x	x	
methyl cellosolve acetate							x					x	x	
See allylene glycol monomethyl ether acetate							x					x	x	
methyl chloride							x					x	x	
methyl chloride-allylene chloride mixture							x					x	x	
methyl chloroformate							x					x	x	
methyl chloroformate							x					x	x	
methy 1 chloroformate diss. trichloroethane (1,1,1)							x					x	x	

	WPCA	PPCA	CNA	EDMA	RCMA	TECA	RUV	FIRRA	MFRRA	CFRA	PPFA	FUGA	OGRA	OGRA	URRA	URRA	URRA
methyl 4-oxotetrahexanoat															x		
methyl laurolohexanoate(o-)														x			
methyl laurolooctane														x			
methyl 1,1-bis(hydroxymethyl)heptane														x			
methylene bis phenyl isocyanate														x			
diphenylmethane diisocyanate														x			
NDA														x			
methylene chloroide													x				
dichloromethane													x				
methylene glycol dinitrate													x				
methylene bis-(2-chloroaniline)(4,4')													x				
methyl isfuran													x				
methyl glucoside tetranitrate(a)													x				
methyl glycerol trinitrate(a)													x				
acetyl hydrazine													x				
methyl leucotriene(2-)													x				
βα₂ acetone cyanohydrin													x				
acetyl spirodilene													x				
methyl levulonyl 1,2,6-dinitro- n,n-dipropyl anilinato(4-1)													x				
methyl thiomuracil													x				
methyl trichlorostiane													x				
metolechlor													x				
nevirphos													x				
phedrin													x				

	FWPCA 111	FWPCA 1307	CAA 1	SIDMA 1	NCMA 1	TSCA 1	FDV 1	FIFRA 1	MPRA 1	FPPA 1	FUSA 1	OBIA 1	WTRA 1	FRIA 1
monochlorotrifluoromethane													x	
monoethanolamine													x	
monethyl ether acetate													x	
<u>See cellulose acetate</u>														
monoethyl laurine	x													
<u>aminoethane</u>	x													
<u>ethyl laurine</u>		x												
<u>methy laurine</u>		x												
mono fluorophosphoric acid, anhydrous													x	
<u>See fluorophosphoric acid,</u> anhydrous														
mono fluorophosphoric acid														
<u>monomethyl aniline</u>														
<u>acrometyl hydrazine</u>														
<u>monoethyl laurine</u>						x								
<u>aminomethane</u>					x									
<u>methy laurine</u>					x									
mononitrophenol														
<u>See nitrophenol (mixed)</u>														
monuron (some products)														
morpholine														
<u>mortar stain, liquid</u>														
moth balls														
<u>See naphthalene</u>														
motor fuel, NOB														
muratic acid														
<u>See hydrochloric acid</u>														

	RPICA S11	RWPCA S107	CAA S107	SODA S107	ACPA S107	FDA/ FDA TCCA TCCA	MPFA CPBA	PPFA CPBA	FIRFA CPBA	OMFA CPBA	IMFA CPBA	FIA
naphtyl phthalene acid(u-1-)												
naphtyl 1-2-thiourea(l-)	x											
naphtyl lauric(1-)		x										
naphtyl lauric(2-)		x										
naphtyl lauric(alpha-)			x									
naphtyl lauric(beta-)			x									
natrum												
<u>See sodium</u>												
natural gasoline						x						
gasoline						x						
pentadecanoic acid												
hexane							x					
heptane							x					
neutral ammonium fluoride												
<u>See ammonium fluoride</u>												
nitrate												
<u>See ethion</u>												
nickel ammonium sulfate						x						
<u>See ammonium nickel sulfate</u>						x						
nickel and compounds							x					
nickel and compounds, wet							x					
nickel oxyhydroxide								x				
nickel catalyst, wet								x				
nickel chloride							x					
nickelous chloride							x					

	FWPCA 311	FWPCA 3107	CIAA 107	BUNA	RCRA TECA	FDA/ FIRPA	FIRPA TECA	FIRPA FIRPA	FIRPA FIRPA	FIRPA 6b	OSHA 6a	OSHA 6b	OSHA 6a	OSHA 6b	OSHA 6a	FIRPA	
nitrate or ammonia explosives											x						
nitrate, KJ3											x						
nitrated paper (unstable)					x												
nitrates of diazonium compounds					x												
nitrating acid					x												
nitrating acid, spent <u>See spent mixed acid</u>					x												
nitric acid					x						x	x					
aqua fortis					x						x	x					
nitro acid silver(I) salt																	
burner caustic																	
<u>See silver nitrate</u>																	
nitro ether											x	x					
ethyl nitrate											x	x					
nitro oxide											x	x					
nitro carbonitrile											x	x					
nitro hydantoin(1-)											x	x					
nitro isobutene triol											x	x					
trinitrate											x	x					
nitro-2-methylpropanol											x	x					
<u>nitrate(2-)</u>											x	x					
nitro-4-diazotoluene-3-sulfonic acid(6-)											x	x					
<u>nitro-N-methylglycolamide</u>											x	x					
<u>nitrate(5-)</u>											x	x					
nitro-o-tolidine(5-)											x	x					

	TPPCA 111	TAPCA 1107	CRA 1107	SIIHA 1107	RCPA 1107	TECA 1107	FDA/ FIRPA 1107	MFRA 1107	CPMA 1107	FPPA 1107	FUSA 1107	OSIA 1107	SHIA 1107	FDA 1107
nitrogen mustard N-oxide and hydrochloride salt														
nitrogen oxides												x		
nitrogen peroxide														
nitrogen tetroxide							x							
<u>Bee nitrogen dioxide</u>														
nitrogen trichloride														
nitrogen trifluoride														
nitrogen triiodide monomer							x							
nitroglycerin														
nitroguanidine														
nitroguanidine nitrate												x		
nitrohydrochloric acid														
<u>Bee nitromuriatic acid</u>														
nitrosourea												x		
nitromethane												x		
nitromuriatic acid												x		
nitrohydrochloric acid												x		
nitrophenol												x		
nitrophenol (<i>m</i> -)												x		
nitrophenol (mixed)												x		
mononitrophenol												x		
nitrophenol (<i>o</i> -)												x		

	RWPCA	CMA	SIDMA	SCBMA	TBMA	MFBMA	CPBMA	PPBMA	OSBMA	OSBMA	MMTA	TMBA
\$11	\$107								\$6a	\$6b		

oil of vitriol
See sulfuric acid

oil, NOS

oileum

See sulfuric acid

oleyl alcohol condensed with
2 moles styrene oxide

onail
See trichlorophenol

onite

See propargite

OPA
octanethiopyrophosphoramide

organic peroxide

organic phosphate mixture

organic phosphate

organic phosphate mixture

organochlorine pesticide

organohalogens

organophosphorus pesticide
organo (alkyl) mercury

organotin pesticide

Orth-A, NOS

Orth-B, NOS

Orth-C, NOS

	RUPCA	WRPCA	CRA	BDA	MCBA	TGCA	FDA/ FIRPA	FIRPA	CPBA	FPPA	TRGA	CGHA	OMTA	WTA	FIA
paint															
<u>See wood filler, liquid</u>															x
paint, Enamel, Lacquer, Stain, Shellac, or Varnish, Aluminum, Bronze, Gold, Wood filler, liquid or Lacquer base, liquid															
Paint, reducing or thinning compound				x											
parafin															
<u>See paraformaldehyde</u>															
paraformaldehyde															
Polyoxymethylene	x														
Formalene	x														
paraform															
Polymerized formaldehyde	x														
Triformal	x														
paraldehyde							x								
pentamethane hydroperoxide															
<u>See methane hydroperoxide (p-)</u>															
pentamethane hydropentoxide															
paramoth															
<u>See dichlorobenzene (para-)</u>															
paramitroaniline															
<u>See nitroaniline (p-)</u>															
paraphenylenediamine											x				
paraquat												x			
paraquat (dichloride) and para- quat bis (methyl sulfate)												x			

	FWPCA 111	FWPCA 107	CIA 107	SUVA 107	ICRA 107	TICA 107	FDA/ FIRPA 107	FIRPA 107	CPBA 107	MPBA 107	FIRPA 107	OSHA 107	OIGM 107	WATA 107	TRIA 107
pentachlorophenol and derivatives		x										x		x	
pestacylrate tetranitrate												x		x	
pentane												x	x		
pentanitroaniline												x			
pentanoic(2-) <u>See methyl propyl ketone</u>															
pestatolite			x												
peracetio acid solution							x								
perchlorate, nos							x								
perchloroethylene															
<u>See tetrachloroethene</u>															
perchloric acid							x								
perchlorocyclopentadiene <u>See hexachlorocyclopentadiene</u>															
perchloroethane <u>See tetrachloroethene</u>															
perchloromethane <u>See carbon tetrachloride</u>												x	x		
perchloromethyl mercaptan															
perchloryl fluoride												x			
paitulidone												x			
perfluoro-2-butene												x			
parangstate of potash												x			
permanganate, nos												x			

	FIFPCA	FIFPCA	CNA	SINA	RERA	TECA	FDAV	FIFRA	ASPCA	CPRA	FPPA	FUSA	OSIA	OSIA	FDA
	311	307	307	311	311	311	311	311	311	311	311	311	311	311	311
phenacetine chloride	x														
phenacetin															
phenodiphen		x													
phenol	x														
carboxylic acid	x	x													
hydroxybenzene	x	x													
oxybenzene	x	x													
phenyl hydroxide	x	x													
phenolic compound	x	x													
phenoxyl pesticide								x							
phenylenediamine, meta or para									x						
phenyl cyanide										x					
See benzonitrile											x				
phenyl ether											x				
phenyl ether-biphenyl mixture												x			
phenyl mercury acetate												x			
See phenol													x		
phenyl methane												x			
See toluene													x		
phenyl dichloroethane													x		
phenylene diamine													x		
phenylene diaminopropene													x		
phenylene diamine													x		

	WPCA DII	WPCA DII	CAA 1307	EDMA 1307	TGCA 1307	TGA/ TGA	MPCA 1307	MPCA 1307	CPA 1307	PPA 1307	FUSA 1307	OUSA 1307	UMTA 1307	FDA
phenylone diamine/potassium chlorate(%)														
phenylmethane														
<u>use of benzene</u>														
phenylethylene	x	x												
dimethyl	x	x												
cinnamol	x	x												
phenylethylenes	x	x												
styrene	x	x												
vinyl	x	x												
styrene	x	x												
vinylbenzene	x	x												
phenylformic acid														
<u>use benzene acid</u>														
phenylglycidyl ether	x	x												
phenylhydrazine														
phenylmoxury acetate	x	x												
<u>alginic acid</u>														
phenylphenol and its sodium salt(%)							x							
phenylthiourea(N-)							x							
phenyltrichlorosilane							x							
phenylurea pesticide							x							
phorate							x							
phosalone							x							
phosulfuron							x							
<u>use monophosphorus</u>							x							

	FWPCA 111	FWPCA 107	CAA 107	SUMA 107	PCRA 107	FDA/ FIRMA 107	FIRMA 107	CPRA 107	FIRA 107	OSHA 107a	OSHA 107a	MITA 107a	FPA 107a
phosgene						x				x	x		
carbonyl chloride	x					x				x	x		
chlorotofuryl chlorite	x					x				x	x		
diphosgene	x					x				x	x		
phosphination						x							
phosphine						x				x	x		
phosphoric acid			x			x				x	x		
orthophosphoric acid			x			x				x	x		
phosphoric acid triethylbenzylamine tris(1-aziridyl) phosphine oxides						x				x	x		
phosphorus oxydide						x				x	x		
phosphorus pentoxide			x			x				x	x		
phosphorus sulfide													
<u>See</u> phosphorus pentasulfide													
phosphorodithioate							x						
<u>See</u> ethion													
phosphorothiolic acid O,O-di- methyl-O-(p-hydroxyphenyl) ester							x						
<u>See</u> methyl parathion													
phosphorous chloride										x	x		
<u>See</u> phosphorus trichloride										x	x		
phosphorous sulfide										x	x		
phosphorus										x	x		
black phosphorus										x	x		
red phosphorus										x	x		
white phosphorus										x	x		
yellow phosphorus										x	x		

	WPCA 311	WPCA 3107	CNA 107	BWA 107	ACRA 107	TSCA 107	FIRPA/ FIRRA 107	MPRA 107	FIRPA 107	CPRA 107	FIRPA 107	OHIA 16b	OHIA 16a	HAWA 16a	FUN
potassium dichromate															
<u>See</u> potassium bichromate															
potassium fluoride												x			
potassium hydrate												x			
<u>See</u> potassium hydroxide												x			
potassium hydrogen fluoride												x			
solution												x			
<u>See</u> potassium bifluoride												x			
potassium hydrogen fluoride												x			
<u>See</u> potassium bifluoride												x			
potassium hydrogen sulfate												x			
potassium hydroxide												x			
potassium hydrate												x			
<u>See</u> potassium hydroxide												x			
potassium iodate												x			
potassium iodide												x			
potassium iodite												x			
potassium metabisulfite												x			
potassium nitrate												x			
<u>See</u> potassium arsenite												x			
potassium metarsenite												x			
potassium metarsenate												x			
potassium nitrate mixed												x			
with sodium nitrite												x			
potassium nitrite												x			
potassium perchlorate												x			
potassium permanganate												x			
chromium mineral												x			
potassium peroxalate												x			
potassium silver cyanide												x			
potassium sulfide												x			

	FWPCA 111	FWPCA 107	CRA 107	EDMA 107	RCHA 107	TSCA	FDOA/ FIRMA 107	FIRMA	CPBA	FPPA	FIRMA	URIA 6b	URIA 6a	URIA 6a	FIRMA
quinoiline	x														
benzalazine (1-)	x														
benzothiopyridine	x														
chinaloline	x														
leucotriene	x														
leucotriene	x														
quiogene															
<u>See benzophenone (p-)</u>															
radioactive material, fissile, NOS							x								
radioactive material,															
limited quantity, NOS															
radioactive material, fissile															
<u>See fissile radioactive</u>															
material															
radionuclides							x/n/a								
radium							x								
range oil							x								
red arsenic sulfide								x							
<u>See arsenic disulfide</u>									x						
red phosphorus									x						
<u>See phosphorus</u>										x					
reglone										x					
<u>See diquat</u>											x				
reserpine											x				
resin												x			
<u>See rosin</u>													x		
resorcin												x			
<u>See hydroquinone</u>													x		

	RMPCA 111	RMPCA 107	CAA 107	SIMCA 107	ICMA 107	TSCA 107	FDA 107	FFRA 107	MFDA 107	CPSA 107	PUPA 107	FFRA 6a	OSHA 6a	ONTA 6a	FDA 6a
silver												x			
silver acetylide												x			
silver and compounds												x			
silver and compounds, MOA												x			
silver azide												x			
silver chlorite												x			
silver cyanide												x			
silver fulminate												x			
silver nitrate												x			
nitro soild silver(II) salt							x					x			
linear carboxylic							x					x			
silver oxalate							x					x			
silver picrate							x					x			
silver, metal and soluble							x					x			
compounds															
silver												x			
See tetabromophenoxypropanoic acid(2,4,5-)															
silver(2,4,5-tri)											x				
See tribromophenoxypropanoic acid(2,4,5-)															
simazine												x			
stearic													x		
stibog acid												x			
stibog, chloride												x			
stobie												x			

	FMPCA	FRPCA	CRA	EDMA	ICRA	TOMA	TRPA	MFRMA	CPMA	PPMA	RIMA	OSMA	16a	WMA	FMA
	311	311	107	107	107	107	107	107	107	107	107	107	107	107	107
sodium bisulfite	x											x			
sodium cold sulfite	x											x			
sodium hydrogen sulfite	x											x			
sodium bicarbonate		x													
sodium chlorate	x											x			
soda chlorate	x											x			
sodium chlorite			x												
sodium chromate		x													
sodium coumarin <i>(See acetyl coumarin-4-</i> <i>hydroxy coumarin and salts</i> <i>(3-alpha-)</i>				x											
sodium cyanide			x												
sodium dehydroacetate				x											
sodium dichloro- <i>n</i> -triazine-trione <i>(See sodium dichloroisocyanato-</i> <i>nitrate.)</i>					x										
sodium dichloroisocyanurate <i>(See sodium dichloro-<i>n</i>-triazine-</i> <i>triazine-trione.)</i>						x									
sodium dichroate <i>(See sodium bichromate.)</i>							x								
sodium dimethylidithiocarbamate								x							
sodium dithionite <i>(See sodium hydrosulfite.)</i>								x							
sodium dodecyldithiosulfonate									x						
sodium fluoride <i>(Villanilite.)</i>									x			x		x	

	MPCN #11	MPCN #301	CAA #301	SDWA #101	RCRA #101	FDA/ PIERA #101	FIRRA #101	MPRA #101	CPRA #101	PEPA #101	FIRA #101	OSHA #101	MSA #101	FDA #101
sodium fluoresceinate						x								
sodium fluoroacetamide						x								
sodium hydrate						x								
<u>See sodium hydroxide</u>														
sodium hydrogen sulfite														
<u>See sodium bisulfite</u>														
sodium hydrogen sulfide														
<u>See sodium hydrosulfide</u>														
sodium hydrogen sulfite														
<u>See sodium bisulfite</u>														
sodium hydrogen sulfite														
<u>See sodium bisulfite</u>														
sodium hydroxide							x							
<u>caustic soda</u>							x							
soda lye							x							
<u>caustic hydrate</u>							x							
sodium hypochlorite							x							
bleach							x							
sodium metarsenite								x						
<u>See sodium arsenite</u>								x						
sodium metabisulfite									x					
sodium methoxide										x				
<u>See sodium methylate</u>										x				

	WPCA 311	WPCA 197	CAA 810A	CAA 8107	RCRA 197A	RCRA 197B	TSCA 197A	TSCA 197B	EPA 197A	EPA 197B	CPBA 197A	CPBA 197B	MEHSIA 197A	MEHSIA 197B	OSHA 16b	OSHA 6a	WHTA 16b	WHTA 6a	PLA
sodium methylate	x															x	x		
sodium methoxide	x															x	x		
sodium methylate, alcohol mixture	x															x			
sodium methylate, dry	x															x			
sodium monoxide																x			
sodium nitrate									x							x			
sodium nitrite	x								x							x			
sodium nitrite mixed (fused) with potassium nitrate									x							x			
sodium nitrite mixture (sodium nitrate, sodium nitrite, and potassium nitrate)									x							x			
sodium pentachlorophenate																x			
sodium perchlorate																x			
sodium pentangionate																x			
sodium peroxoate																x			
sodium phenylate																x			
sodium phosphate dibasic																x			
sodium phosphate tribasic																x			
sodium phosphide																x			
sodium plienamate, wet																x			
sodium poly(1-pentenyl) ether																x			
sodium potassium alloy																x			

	FWPCA	FMPCA	CAA	EDMA	MCMA	TBCA	FDA/ PFRMA	MERSA	CPBA	FPPA	FUSA	OMRA	IRRA	FRA
	111	107	107				111			16b	6a			

sodium pyroarsenate
See aromatics (inorganic)

sodium salt of acifluorfen

sodium scapolite

sodium sulfide, anhydrous

sodium tetraethyltride

sodium trichloroacetate

sodium, metal alloy

sodium, metal dispersion in
organic solvent

sodium, metal or metallic

soluble salts as PT
See platinum

solvents for paint or other
similar surface coating
material containing petro-
leum distillates, benzene,
toluene, xylene, or com-
binations thereof

spectrograde
See dissolution

spent mixed acid
nitrating acid, spent

spent sulfuric acid
sulfuric acid, spent

SR-406

See captan

stain
See lacquer

	FMPCA #111	FMPCA #107	CNA #107	BIDMA #CRA	FCRA #SCA	FDAV #FDA	FIFRA #FRA	CPBA #FRA	FUVA #GIA	GRIA #GIA	GRIA #GIA	FUG #GIA
TEL <u>Bis</u> triacetyl lead												
tellurium			x						x			
tellurium hexafluoride			x									
TEPP <u>Bis</u> tetrathyi pyrophosphate												
terbacil			x						x			
terbufos			x						x			
terbutyl leucine			x						x			
terbutryn			x						x			
terpene polychlorinates			x						x			
terphenyls			x						x			
tertiary alcohol			x						x			
tetraazido benzene quinone						x						
tetrachloro-1,2-difluoro- ethane(1,1,2,2-)						x						
tetrachloro-2,2-difluoro- ethane(1,1,1,2-)						x						
tetrachloro-3-nitroben- zene(1,2,4,5-)						x						
tetrachlorobenzene(1,2,3,4-)							x/HR					
tetrachlorolepene(1,2,3,5-)								x/HR	x	x		
tetrachlorobenzene(1,2,4,5-)									x	x		
tetrachlorodibenz-p-dioxin (1,3,7,8) TCDD									x/HR	x/HR	x/HR	9

	MFCA	TAPCA	CIA	BDMA	RCRA	TECA	TMK/ TPFA	TPFA	CPBA	PPA	FUSA	OSHA	MSHA	SIL
<u>tetrachloroethane</u>														x
tetrachloroethane(1,1,1,2-)						x								
tetrachloroethane(1,1,2,2-)					x	x								
acetylene tetrachloride					x	x								
tetrachloroethane, MOB					x									
tetrachloroethane						x								
pachloroethane						x								
pachloroethylene						x								
tetrachloroethylene						x								
<u>tetrachloroethylene</u>														
<u>See Tetrachloroethane</u>														
<u>tetrachloroethylene</u>														
tetrachloromethane							x							
See carbon tetrachloride							x							
tetrachloromethane perchloro-								x						
methane									x					
See carbon tetrachloride									x					
tetrachloronaphthalene										x				
tetrachloropheno(2,3,4,6-)											x			
tetraalton											x			
tetrathy1 dithiopyrophosphate and compressed gas mixture											x	x		
tetrathy1 dithiopyrophosphate											x	x		
tetrathy1 load											x	x		
load tetrathy1											x	x		
TEI.											x	x		
tetrathy1 orthosilicate											x	x		
See tetragly silicate											x	x		

	MPICA 111	SUPCA 107	CNA 107	SDMA 107	RCRA 107	TSCA 107	FDA/ TSCA 107	PIPPA 107	MPBA 107	CPSA 107	PPFA 107	WIBA 107	OQMA 107	UNTA 107	TRA 107
tetranitroethane												x	x		
tetrakis(triphenylmethoxy)tetranitroethane												x	x		
tetrakis(triphenylmethoxy)nitramine												x	x		
tetrakis(triphenylmethoxy)nitramine (2,3,4,6-)												x	x		
tetrakis(toretoolyl)												x	x		
Leptanitrosoxotolol												x	x		
<u>Bis</u> tetrakis(triphenylmethoxy)nitramine (2,3,4,6-)												x	x		
tetrakis(nitroso)nitrobenzene												x	x		
(2,3,5,6-)												x	x		
tetrakis(nitroso-1,4-dinitrobenzene)(2,3,5,6-)												x	x		
tetrakis(phosphonato acid hexaethyl- ester)												x	x		
<u>Bis</u> hexaethyl tetraphosphate												x	x		
tetraraceno guanyl nitrosamino guanyl- tetraceno												x	x		
tetraceno												x	x		
tetracyl azide												x	x		
tetryl												x	x		
<u>Bis</u> trinitrophenylmethyl nitro- amine(2,4,6-)												x	x		
thallio oxide												x	x		
<u>Thallium</u> peroxide												x	x		
thallio peroxide												x	x		
<u>Bis</u> thallic oxide												x	x		
thallium (soluble compounds)												x	x		

	FWPCA §111	FWPCA §107	CNA §111	EWNA §107	RCPA §111	RPA/ RCPA §111	TCCA §111	PPBA §111	PPBA §107	FPCA §111	FPCA §107	CPBA §111	CPBA §107	OGMA §6b	OGMA §6a	VMA §6a	VMA §6b
THA																	
See trimethylamine																	
toluidine dyes(o-)																	
DAB dyes																	
toluidine(o-)																	
toluene	x																
methacide	x																
methylbenzene	x																
phenylmethane	x																
toluol	x																
toluene disulfide																	
toluene diisocyanate																	
tolylene diisocyanate																	
toluene-2,4-diisocyanate																	
toluene sulfonic acid																	
toluidine hydrochloride(o-)						x											
toluol																	
See toluene																	
total reduced sulfur (TRS)						x											
toxaphene							x							x	x		
Cl ₁₀ Cl ₁₀ -technical							x							x	x		
chlorinated camphene,							x										
67-69 percent chlorine							x										
camphor							x							x	x		
chlorinated camphene							x										
toxicol								x									
See chlordane								x									
toxicic acid									x								
See maleic acid									x								
toxitox anhydride										x							
See maleic anhydride										x							

	TMPCNA [111]	TMPCBA [107]	CAA	EDNA	NCPA	THCA	FDA/ FIFoA	FIRMA	CPSA	MPRESA	FIRMA/ FIFoA	OSHA	NTPA	FRPA	FRPA
trinitrobenzene												X			
trinitrobenzoic acid												X			
trinitroethanol												X			
trinitromethane												X			
trinitropropylbenzene(1,3,5-)												X			
trinitrophenol(2,4,6-)												B			
picric acid												X			
trinitrophenyl guanidine(2,4,6-)												X			
trinitrophenyl nitramine(2,4,6-)												X			
trinitrophenyl trimethylol methyl nitramine trinitro- trate(2,4,6-)												X			
trinitrophenylmethyl nitramine												B			
{2,4,6-} terryl												X			
trinitroresorcinol												X			
trinitroso-3-methyl 4-nitro- minoisole(2,4,6-)												X			
trinitrotetralin cobalt nitrate												X			
trinitrotoluene												X			
trisorthocresyl phosphate												X			
triphenyl phosphate												X			
triphenyltin hydrosilide												X			

	FUPCA 111	FUPCA 107	CAN 107	BOMA 107	PCMA 107	TACMA 107	FOMA/ TIFRA 107	FOMA/ TIFRA 107	CPFA 107	PPFA 107	FUMA 107	OMFA 107	OFMA 107	UFDA 107
vinyli fluoride												x		
vinyli isobutyl ether												x		
vinyli methyl ether												x		
vinyli nitrate polymer												x		
vinyli toluene							x							
vinyli trichlorosilane							x							
viniilone							x							
vinyloamide <u>aka</u> phenyl ethylene							x							
vinylycyanide <u>aka</u> acrylonitrile							x							
vinylidene chloride <u>aka</u> di-chloroethylene(1,1-)							x							
vinylidene chloride, inhibited							x							
vitriol, oil of <u>aka</u> sulfuric acid							x							
volatile organic compound (VOC)							x							
warfarin							x							
water repellent treatment							x							
wax, liquid							x							
white gold							x							
monochlorobutylate and hydrofluoro cold mixture							x							
white arsenic <u>aka</u> arsenic trioxide							x							
white copperas <u>aka</u> zinc sulfide							x							

	RPPCA	RPPCA	CAC	SDIA	ICRA	TSCA	FDR/	MRRA	CPRA	PPPA	FRSA	OSHA	MSHA	FIA
	111	1907					711					6a	6b	

white phosphorus
See phosphorus

white tar
See naphthalene

white vitriol
See zinc sulfate

wintergreen oil
See methyl salicylate

wood alcohol
See columbian spirit

wood filler,
See lacquer,

wool waste

xenon

xylene.
xytol

xylenes-)

xyloane (methyl)
dimethyl benzene

xytol

xylenes-)
xylenes(p-)

xylenol
dimethyl phenol
hydroxymethyl benzene

xylidone
See dimethyl anisobenzene

xytol
See xylene (mixed)

	TMPCA 1311	TMPCA 1307	CAR	SOMA	RCPA	TECA	TDR/ FIRPA	FIRPA	MPPA	CPFA	PFPAA	FIRPA	OSAN	OSUA	WTA	WPA
zinc chloride							x									
zinc chloride batter of zinc	x	x					x	x								x
zinc chloride fume							x									
zinc chloride solution <u>See</u> tin-tin flux							x	x								
zinc cyanide	x						x	x								
zinc ethyl pyrophoric liquid, WOB							x	x	x	x						
zinc fluoride							x	x								
zinc fluorosilicate <u>See</u> zinc ethylfluoride							x	x	x	x						
zinc formate	x						x	x								
zinc hydrosulfite	x						x	x								
zinc sulfonate							x	x	x	x						
zinc nitrate							x	x	x	x						
zinc oxide fume							x	x	x	x						
zinc permanganate							x	x	x	x						
zinc peroxide							x	x	x	x						
zinc phenolsulfonate	x						x	x	x	x						
zinc sulfocarbamate	x						x	x	x	x						
zinc phosphate	x						x	x	x	x						
zinc sulfofluoride	x						x	x	x	x						
zinc fluosilicate	x						x	x	x	x						

ADDENDUM - 184 -

	RMPCA	RMPCA	CNA	SINN	RCNA	TCCA	WDR/ FIRMA	FIRMA	PPRA						
	\$11	\$107	\$11	\$107	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11

deet
diethyl-meta-toluamide (N,N-)

fonofos

Bee ethyl-a-phenyl ethylphosphonodithioate (o-)

monocrotophos
See dimethyl phosphate of a-methyl benzy1 3-hydroxy-cis-crotonate

potassium azide

sulfotepP

See ethyl thiopyrophosphate

tomephos

Bee tetramethyl o,o'-thiodi-p-phenylene
Phosphorothioate(o,o',o')